

Graph to solve the system

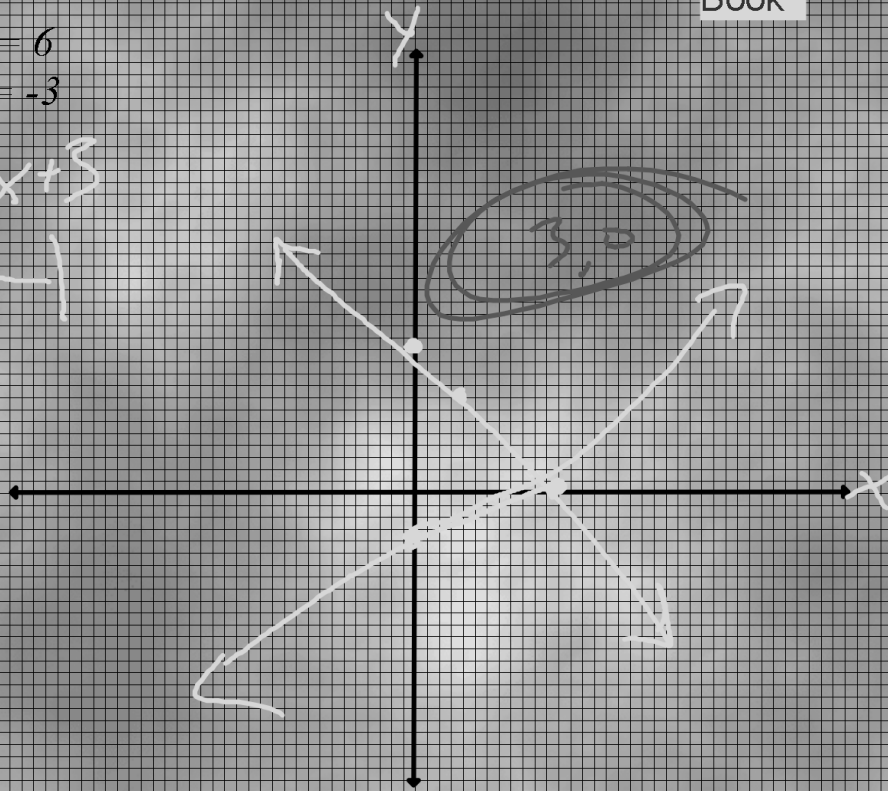
Book

$$2x + 2y = 6$$

$$-x + 3y = -3$$

$$y = -x + 3$$

$$y = \frac{1}{3}x - 1$$



Page 1

## 8-4 Simplify Rational Functions

Ex 1

$$\frac{x^2 + 10x + 25}{x^2 + 9x + 20}$$

$$\begin{array}{l} \text{S } \frac{(x+5)(x+5)}{(x+5)(x+4)} \end{array}$$

Page 2

Ex 2

$$\frac{6-3x}{x^2-5x+6}$$

$$\frac{(-3)(x+2)}{(x-3)(x-2)}$$

Page 3

Ex 3

$$\frac{x^2+x-2}{x+3}$$

$$\frac{x^2-9}{x-1}$$

$$\frac{(x+2)(x-1)}{(x+3)}$$

$$\frac{(x+3)(x-3)}{(x-1)}$$

$$(x+2) \cdot (x-3)$$

Page 4

Ex 4

$$\frac{x+4}{4-x^2}$$

$\div$

$$\frac{x+4}{x+2}$$

$$\cancel{x+4}$$

$$\frac{(\cancel{x+2})}{\cancel{x+4}}$$

$$\frac{(\cancel{2+x})(2-x)}{(2-x)}$$

$$\cancel{x+4}$$

Page 5

Ex 5

$$\frac{2x^2+7x+3}{x-4}$$

$\cdot$

$$\frac{x^2-16}{x^2+8x+15}$$

$$\frac{(\cancel{x+3})(2x+1)}{\cancel{x-4}}$$

$$\frac{(x+4)(\cancel{x-4})}{(x+5)(\cancel{x+3})}$$

$$\frac{x+4(2x+1)}{x+5}$$

Page 6

373  
pg 1-12 → pick ④

PS 374 20-25  
pick ③